PROBLEMAS SESIÓN 3: 2.9, 2.10, 2.14

2.9)

a)

↯	↯	↯	a	+0
b[0]				+4
b[1]				
b[2]				
b[3]				
b[4]				
b[5]				
b[6]				
b[7]				
b[8]				
b[9]				+44

b). @s[i].b[j] = @s + 44i + 4 + 4j

c)
```
imul $44, %esi, %eax      #44i
addl %ebx, %eax           #44i + @s
movl 4(%eax,%edi,4), %ebx #todo sumado
imul $44, %ebx, %eax
movb (%ebx,%eax) %dl      #x= ...
```

2.10)

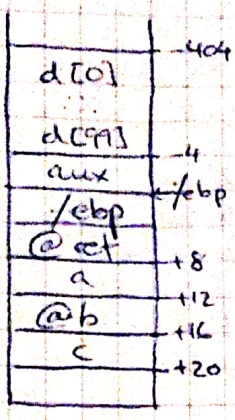
a)

i	-12
suma	-8
fila	-4
%ebp	← %ebp
@ret	+8
@M	+12
m	+16
n	+20

b). calcula:
```
pushl %ebp
movl %esp, %ebp
subl $12, %esp
movl $0, -8(%ebp)     # suma=0
movl $0, -4(%ebp)     # fila=0
pushl %ebx
movl 12(%ebp), %ebx   # i=m
for: cmpl 16(%ebp), %ebx  # i<n
jge fi_for
leal -4(%ebp), %ecx   #&fila
movl $8(%ebp), %edx   #@M
imul $40, -4(%ebp), %esi  #40*fila
addl %esi, %edx       #edx= +c
movl (%edx,%ebx,4), %eax
pushl %ecx
pushl %eax
call Normaliza
addl $8, %esp
addl %eax, -8(%ebp)
incl %ebx
jmp for
fi_for: movl -8(%ebp), %eax
incl %eax
popl %ebx
movl %ebp, %esp
popl %ebp
ret
```

2.14)

a)



b). leal -4(/ebp), /eax
pushl /eax
leal -404(/ebp), /ebx
pushl /ebx
pushl $0
call examen

c)
```
    movl $0, /eax
for: cmpl $100, /eax
    jge fi_for
    leal -404(/ebp), /ebx   #@d
    movl (/ebx, /eax, 4), /ecx   #d[aux]
    movl 12(/ebp), /edx
    movl /ecx, (/edx, /eax, 4)   #b[aux]=d[aux]
    incl /eax
    jmp for
fi_for:
```

d). pushl -16(/ebp)
pushl 12(/ebp)
pushl 8(/ebp)
call examen